

20030728.qrp v02_n995.qrl.20030728

Date: Mon, 28 Jul 2003 19:03:03 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2995

QRP-L Digest 2995

Topics covered in this issue include:

- 1) [155047] OT: QRO
by "Russ Hines" <wb8zcc@fuse.net>
- 2) [155048] Re: Pic Programmer
by "Tim, N9PUZ" <n9puz@arrl.net>
- 3) [155049] The life of Bee #2
by Jim Cluett <w1pid@yahoo.com>
- 4) [155050] Re: Low-Power operation is a state of mind, EDN says
by Tom Severt <n2uhc@yahoo.com>
- 5) [155051] Re: Where's the beef (er, the foxes)?
by "George, W5YR" <w5yr@att.net>
- 6) [155052] BB ... on the edge
by "sslyon" <sslyon@megalink.net>
- 7) [155053] N0SXX Flight of Bumblebees
by Gary Slagel <gdslagel@yahoo.com>
- 8) [155054] Re: rep ELMER 160(PIC 101 class)
by Joe Martin <km5cw@arrl.net>
- 9) [155055] Re: Norcal Cascade / 20 meter power mod ?
by "David D. Meacham" <W6EMD@prodigy.net>
- 10) [155056] RE: Elmer 160: Beginning PIC applications
by "Jim Sheldon" <w0eb@cox.net>
- 11) [155057] Bacon bits
by hamjoel@juno.com
- 12) [155058] KB0LUR Bumblebee effort
by "Paul Ermisch" <paul@ermisch.com>
- 13) [155059] RE: for sale excess qrp rigs.
by Gsdavis7070@cs.com
- 14) [155060] Re: N0SXX Flight of Bumblebees
by Gary Slagel <gdslagel@yahoo.com>
- 15) [155061] My first Flight of the Bumblebees is over--BB 109 in WI.
by "Andy Palm" <acpalm@concentric.net>
- 16) [155062] Re: Norcal Cascade / 20 meter power mod
by "JUNICHI NAKAJIMA" <jl1kra@hotmail.com>
- 17) [155063] Re: Norcal Cascade / 20 meter power mod
by Lee Mairs <lmairs@direcway.com>
- 18) [155064] Apologizes to all, especially K7UD, on misuse of ARS BB #
by "Sam Billingsley" <sambillingsley@earthlink.net>
- 19) [155065] ARS 2003

- by "Ronnie Zoerb" <r.zoerb@worldnet.att.net>
- 20) [155066] Re: Homemade PCB's - Long
by Steven Weber <kd1jv@moose.ncia.net>
- 21) [155067] Bumble "Buzz"
by Bruce Rattray <rattray@gpfn.sk.ca>
- 22) [155068] Thanks for practical CW tips
by M Taylor <mctylr@privacy.nb.ca>
- 23) [155069] Re: Homemade PCB's Thanks
by Arthur Moe <kb7ww@easystreet.com>
- 24) [155070] Re: Homemade PCB's - Long
by "Mike Yetsko" <myetsko@insydesw.com>
- 25) [155071] Re: MFJ Cub 20m drift problem
by M Taylor <mctylr@privacy.nb.ca>
- 26) [155072] LDG AT-11 Autotuner for sale
by Jeff <fantbb@yahoo.com>
- 27) [155073] RE: Glue and toroids
by "Dean-NR2V/4" <nr2v@northnet.org>
- 28) [155074] Simpson 260 VOM repair
by Marv Fagenson <k6hcj@juno.com>
- 29) [155075] WTB: External Floppy for Zeos Contenda
by wkhibbert@juno.com
- 30) [155076] Call me Ishmael
by "James P. Osburn, P.E." <j.p.osburn@ieee.org>
- 31) [155077] Re: Call me Ishmael
by "Dale Botkin" <dale@botkin.org>
- 32) [155078] Re: Call me Ishmael
by Lloyd Lachow <llachow@yahoo.com>
- 33) [155079] Re: Norcal Cascade / 20 meter power mod ?
by "David D. Meacham" <W6EMD@prodigy.net>
- 34) [155080] s0, THE CW IS A SNAP HUH?
by hamjoel@juno.com
- 35) [155081] SST-30 doc found
by Steve Holloway <wsholloway1@yahoo.com>
- 36) [155082] Elmer 160: PIC parts
by pdbuck@earthlink.net
- 37) [155083] BB Fun on Lake Georgetown
by Monty N5ESE <n5ese@io.com>
- 38) [155084] Brand new LDG Z-11 \$144
by <nz7c@cox.net>
- 39) [155085] Re: s0, THE CW IS A SNAP HUH?
by "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
- 40) [155086] Adapting the "Ham From Idaho" SSB Rig For 60 mtrs
by "John Kirk" <vk4tj@hotmail.com>

Date: Sun, 27 Jul 2003 19:15:07 -0400
From: "Russ Hines" <wb8zcc@fuse.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [155047] OT: QRO
Message-ID: <00dc01c35494\$eb30e910\$4307c00a@WB8ZCC2>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Reply direct and I'll send info. Do not reply via the list, please.

Thanks.

73,
Russ
WB8ZCC

Date: Sun, 27 Jul 2003 18:38:41 -0500
From: "Tim, N9PUZ" <n9puz@arrl.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [155048] Re: Pic Programmer
Message-ID: <2003727183942.456315@EOS>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

On Sun, 27 Jul 2003 16:51:34 -0400, Scott A. Thomas wrote:
>For those interested, there's an Ebay vendor that sells a pic
>programmer for \$12.50 (including shipping) that will program a
>number of Microchip pics including the PIC16F628. If anyone=
has
>experience with the unit (Olimex PG2C) or software (ic-prog)
><http://www.ic-prog.com/> I'd be interested in their opinions.

I have a different model in-circuit programmer from Olimex and=
use the
software you mention. Both work very well. I have several Olimex=
prototyping
boards as well and they're a good value for the money.

Olimex is in Europe. Bulgaria, I think. Even when you order=
direct they

deliver product to the US via air mail in less time than some= stateside vendors I've dealt with. The person at Olimex who fields tech= support questions via email reads/writes English well in my experience.= Several pre-purchase questions I had were answered very promptly.

<<http://www.olimex.com>>

Just a satisfied customer.

Tim, N9PUZ

Date: Sun, 27 Jul 2003 16:50:52 -0700 (PDT)
From: Jim Cluett <w1pid@yahoo.com>
To: qrp-1@lehigh.edu
Subject: [155049] The life of Bee #2
Message-ID: <20030727235052.3001.qmail@web11602.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

The Fight of the Bumble Bees - What it was...
for Bee #2

It was threatening rain.
It was windy gusting to 30 MPH.
It was pretty lousy band conditions.
and it was lots of fun.

The rigs: DSWs on 20 and 40.
Center Fed Zepp

I rode my bicycle about 2 miles into the Pemigewasset River flood control area, and set up under some shade trees along the river's edge. Photo
<http://www.qsl.net/w1pid>

First I couldn't get my center fed zepp in the trees. I tried 30 times and finally gave up. Maybe it was the wind. I settled for a random wire. I was on the air by 1:30 and made a couple of contacts with the wire... one on 20 and one on 40. Then I got inspired to try again to

launch the Zepp and it went up to about 30 feet.

20 was pretty active but signals were way down and there was serious QSB. It was a struggle to make contacts. N9NE in WI was consistently the strongest signal in the event. K7RE in SD was the hardest to work,

but I finally did it.

40 was a bust. I worked Carter N3A0. (That was a highlight!) There were strong signals around, but they were having QSOs. Not sure what happened to 40.

At just about 4:00 the wind picked up, the sky grew darker and more threatening, and I packed it in.

Thanks for all the great contacts. See you next summer.

Jim W1PID

Do you Yahoo!?

Yahoo! SiteBuilder - Free, easy-to-use web site design software

<http://sitebuilder.yahoo.com>

Date: Sun, 27 Jul 2003 16:59:22 -0700 (PDT)

From: Tom Severt <n2uhc@yahoo.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [155050] Re: Low-Power operation is a state of mind, EDN says

Message-ID: <20030727235922.97271.qmail@web9605.mail.yahoo.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

--- "George, W5YR" <w5yr@att.net> wrote:

> I have enjoyed amateur radio more during the last
> few years that I have
> concentrated on QRP than in all the previous time in
> my nearly 58 years of
> hamming.

I have to agree. Since I've gotten serious about QRP & homebrewing about a year ago, my interest in amateur

radio has really shot up, whereas before it was kind of a yes-I-do-it-but-it's-nothing-special deal. Now I'm always looking for a new project to build or work on, and I've gotten to where I want to build stuff whether I need it or not. I especially enjoy the challenge of transmitting 2 watts as opposed as the usual 100.

If it weren't for QRP & homebrewing, I think I probably would have eventually given up ham radio and stuck with shortwave listening.

=====

Tom Severt N2UHC
<http://www.geocities.com/n2uhc>

Do you Yahoo!?

Yahoo! SiteBuilder - Free, easy-to-use web site design software
<http://sitebuilder.yahoo.com>

Date: Sun, 27 Jul 2003 19:52:37 -0500
From: "George, W5YR" <w5yr@att.net>
To: <k5oi@cox.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [155051] Re: Where's the beef (er, the foxes)?
Message-ID: <00ed01c354a2\$8b5cb650\$0401a8c0@PS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, as we say in Texas, Tim, it was a "character builder!"

Absolute vapor signals from Alan although Larry was loud enough to work readily. Alan finally came up long enough for a Q and a pelt and then back into the swamp.

I think that our NE-TX Tornados 20-meter team all got Clean Sweeps again so we are happy, but it was a real struggle. Doc, W5TB, was in CO on vacation and although he was loud here, we don't know what luck he had with the Foxii.

You're right - it is becoming hard work, although I still enjoy trying!
<:}

So far most of us have missed only the two times that K5TR near Austin was a Fox and only N5ZE on our team could work him groundwave.

Don't give up! Just four more to go!

73/72, George

Amateur Radio W5YR - the Yellow Rose of Texas

Fairview, TX 30 mi NE of Dallas in Collin county EM13QE

"In the 57th year and it just keeps getting better!"

<mailto:w5yr@att.net>

----- Original Message -----

From: "Tim Pettibone" <k5oi@cox.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Sunday, July 27, 2003 5:35 PM

Subject: Where's the beef (er, the foxes)?

> I've just moved to a smaller, lower place, but how come I can't hear any of

> the foxes or hounds? This isn't fun anymore. Too early, too difficult,

> and too frustrating. My worst year yet.

>

> Tim K5OI

> Stillwater, OK

>

Date: Sun, 27 Jul 2003 21:13:35 -0400

From: "sslyon" <sslyon@megalink.net>

To: "Jim Cluett" <jim@w1pid.com>, "qrp list" <qrp-l@lehigh.edu>

Subject: [155052] BB ... on the edge

Message-ID: <000d01c354a5\$788ab880\$18c6e742@megalink.net>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Well, we lucked out, but it was close. The wx map said we'd be in trouble, but it never *quite* reached us. XYL says lightning hit the ridge 12 mi to the West... -that's close enuff. Due to the zap threat KD1JV and I chose a more modest post about 400' lower than the peak, but it had 65' pines :) We got an

Eighty-Eight up and on the air 15 min. late, but from the sound of the bands,
no big loss.

Bottom line (approx.):

40m: Q = 13; SPC = 6

20M: Q = 53; SPC = 22

TOT: Q = 66; SPC = 35

BB'S = 39

Sure seemed like a propagation conspiracy -but next year.....

73

aa1my

Seabury & Sharon Lyon
99 Sparrowhawk Mtn Rd
Bethel ME, 04217 U.S.A.
207-836-2576

Virus Protection by Norton and ZoneAlarm

----- Original Message -----

From: "Jim Cluett" <jim@w1pid.com>

To: "Seab AA1MY" <sslyon@megalink.net>

Sent: Sunday, July 27, 2003 8:15 PM

Subject: can't wait for report

> How'd you guys do? Looking forward to
> reading your report. Rough condx in
> the Pemi valley. 40 was a wipe out.
> I did work N3A0 on 40 and understand you
> did too. 20 was a struggle. threatening
> rain and gusty wind. Total 9 QSOs
> for about 2.25 hours of operation.
>

Date: Sun, 27 Jul 2003 18:17:03 -0700 (PDT)

From: Gary Slagel <gdslagel@yahoo.com>

To: QRP L <qrp-l@Lehigh.EDU>

Subject: [155053] N0SXX Flight of Bumblebees

Message-ID: <20030728011703.93337.qmail@web11603.mail.yahoo.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

I Love this contest! Every BB QSO I make, its great

thinkin' about where they're at and wondering if they've got bugs crawling on em' too! I love seeing how big an antenna I can carry on my back for a mile or so!! I love pickin' out just the right spot and hiking out there! When I'm sittin' on top of the hill and its 100 deg and the contest is almost over, I love thinkin' about that cold beer in my cooler when I get back to the pickup!

Condx didn't seem great but I had a great time... used a dipole up 30' and a 20 meter vert with the base about 10'. I was on a small peak with a clear view to the horizon in all but one small (25 degrees?) direction. Lotsa 20 meter qsos... 2 15 meter qsos... half dozen 40 meter qsos. HOTter then heck till 2PM when the clouds rolled over and I started worrying about lightning. Made it the whole 4 hours though.

Really great when you can recognize half the calls you work... either from this list or from previous contests...

73 Guys, Time to start figuring out the log.
Gary

=====

Gary Slagel/N0SXX
Conifer, CO
<http://gdslagel.bravepages.com>

Do you Yahoo!?

Yahoo! SiteBuilder - Free, easy-to-use web site design software
<http://sitebuilder.yahoo.com>

Date: Sun, 27 Jul 2003 20:29:38 -0500
From: Joe Martin <km5cw@arrl.net>
To: qrp-1@Lehigh.EDU
Subject: [155054] Re: rep ELMER 160(PIC 101 class)
Message-ID: <3F247C82.7090904@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1; format=flowed
Content-Transfer-Encoding: 7bit

You bet and while I'm thinking about it there is some good free software

called MPLAB you might want to check out at www.microchip.com I have used this before then used IC-PROG to compile and download routines into my chips. Just one route to go.

73 de KM5CW Joe

Bruce Rattray wrote:

>I'll check out your site Joe...thanks...

>

>..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272

> A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -

> - VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -

> "QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

>

>

>

>

>

>

>

--

Dallas-Stuck in the middle-Ft.Worth

Date: Sun, 27 Jul 2003 18:47:53 -0700

From: "David D. Meacham" <W6EMD@prodigy.net>

To: qrp-l@Lehigh.EDU

Subject: [155055] Re: Norcal Cascade / 20 meter power mod ?

Message-ID: <3F2480C9.50EA92BA@prodigy.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Rick,

See my article "Double Your Cascade Output on 20" in the Summer 1997 issue of QRPp, p.52. My power went from 3W to 6W.

72, Dave

Date: Sun, 27 Jul 2003 20:49:07 -0500

From: "Jim Sheldon" <w0eb@cox.net>

To: "QRP-L Mailing List" <qrp-l@Lehigh.EDU>,

"John J. McDonough" <wb8rcr@arrl.net>

Subject: [155056] RE: Elmer 160: Beginning PIC applications

Message-ID: <IBEGLCMLCDHHEFLBPHBOKECDCNAA.w0eb@cox.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

John, et al,
I saw somewhere (I believe on this list), that Jameco had the 16F84 PIC and the 4.000 MHz crystal in stock. I checked their website and yes they did. I ordered a 16F84A, the 4.00 MHz crystal and also a 16F628 PIC in case we use that one. Total order including postage was less than 20 bucks. They also have complete data sheets on the PIC's in PDF format.

Standard disclaimer, I'm not connected with Jameco in any way other than as a customer.

Jim, W0EB

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of John J. McDonough
Sent: Friday, July 25, 2003 9:01 PM
To: Low Power Amateur Radio Discussion
Subject: Elmer 160: Beginning PIC applications

Ok Gang,

There has been a terrific response to the call for interested parties in a PIC Elmer session, so I guess it's a go. Besides the notes you saw on the reflector, I got close to 50 emails direct. I've already started preparing.

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.502 / Virus Database: 300 - Release Date: 7/18/2003

Date: Mon, 28 Jul 2003 02:17:18 GMT
From: hamjoel@juno.com
To: fpqrp-1@mpna.com, qrp-1@Lehigh.EDU
Subject: [155057] Bacon bits
Message-ID: <20030727.191728.516.562876@webmail04.lax.unttd.com>
Mime-Version: 1.0
Content-Type: text/plain

just sent in another story for bacon bits.... enjoy...

KE1LA JOEL
IN MAINE
FREEZIN

The best thing to hit the internet in years - Juno SpeedBand!
Surf the web up to FIVE TIMES FASTER!
Only \$14.95/ month - visit www.juno.com to sign up today!

Date: Sun, 27 Jul 2003 21:21:31 -0600
From: "Paul Ermisch" <paul@ermisch.com>
To: "Qrp-List" <qrp-l@Lehigh.EDU>
Subject: [155058] KB0LUR Bumblebee effort
Message-ID: <NHBBIMAFPBCKANGJGAPDKEEDCEAA.paul@ermisch.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Unlike the previous three weeks here in Colorado, today was 'cool' - temp in the 80's. But unusually high humidity - this is our monsoon season here. With that in mind, I stayed out of the foothills where the storms tend to generate. Went to my local state park about 15 minutes from my house, Castlewood Canyon, and hiked up about a mile to the canyon rim. Found a nice overlook with a small cedar tree onto which to tie the DK9SQ mast. Used an AT Sprint, ZM-2 tuner, and a 44' dipole with a homebrew feedline inspired by N5ESE. On the air around 1745Z and worked about 2.5 hours with 'butt breaks' (forgot the foam pad) and lunch. After lunch, realized that the AT Sprint wasn't lighting up the LED in the ZM-2 and no one seemed to be hearing my calls. Lost about 45 minutes trying figure out why. It just suddenly started working again. Started packing up at 2100Z and heard/saw the first thunder/lightning against the foothills.

During the event, only a couple of people stopped by although I could hear more on the trail about 30' away from me. I was fairly well hidden. The first guy helped snap a few shots of me operating and happened to be studying for his ham ticket. We talked for a bit. Later on, another guy passed through looking like he didn't want to see me - strange. The biggest highlight was three eagles cruising the canyon rim. They would occasionally swoop by within a stone's throw of my position. One appeared to fairly large - perhaps 5 or 6-foot wingspan

I stayed on 20M the entire time and the AT Sprint worked great. I tried it in the Spartan Sprint earlier this month but the narrow filter seemed to suffer with the high QRN that night or perhaps my local RFI problems. Today, the band was very quiet. Seemed like every other contact was from CA. Was able to work AA1MY in Maine but eastern contacts seemed few. QSB busted several contacts. 39 total Q's with 18 BB's

Someday I'll have my qsl.net website updated with all the nice pictures.

Paul KB0LUR

Date: Sun, 27 Jul 2003 23:39:31 EDT
From: Gsdavis7070@cs.com
To: qrp-l@lehigh.edu
Subject: [155059] RE: for sale excess qrp rigs.
Message-ID: <36.451c4104.2c55f4f3@cs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Forgot to indicate price of the htx 100. Its 65.00 and u pay ship. Thanks.
Gordy. NW0Y

Date: Sun, 27 Jul 2003 20:54:14 -0700 (PDT)
From: Gary Slagel <gdslagel@yahoo.com>
To: QRP L <qrp-l@Lehigh.EDU>
Subject: [155060] Re: N0SXX Flight of Bumblebees
Message-ID: <20030728035414.12145.qmail@web11603.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Just finished the log and thought I'd post the totals:

20M QSOS:	81
15M QSOS:	2
7M QSOS:	8
TOTAL:	91
BB#'S:	46

=====
Gary Slagel/N0SXX
Conifer, CO

<http://gdslagel.bravepages.com>

Do you Yahoo!?

Yahoo! SiteBuilder - Free, easy-to-use web site design software

<http://sitebuilder.yahoo.com>

Date: Mon, 28 Jul 2003 00:04:22 -0500

From: "Andy Palm" <acpalm@concentric.net>

To: <qrp-1@Lehigh.EDU>

Subject: [155061] My first Flight of the Bumblebees is over--BB 109 in WI.

Message-ID: <001501c354c5\$b6192ea0\$6098ee42@andy>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

I had a good time, although the 10 mile bicycle ride to High Cliff State Park near Lake Winnebago took longer than I expected. I completed setup of my K1 and 85 foot wire as an inverted L between two SD-20s right at 17:00 UTC and jumped into the contest without a rest break. Although I had rubbery 56 year old legs from the trip, I had a nice shady picnic table and a gentle breeze with partly sunny skies. It doesn't get any better, weather-wise, and my new K1 worked like a champ.

As others have noted, fading on 20 was bad and the noise on 40 hurt my ears, but I managed 41 contacts, 29 of them with other Bees. I also had an eyeball contact with a young park ranger, who was fascinated with my activity. I took out a few minutes to explain how he could become a ham and have as much fun as I was having.

Now if I can just find the perfect set of compact earphones with a 200 to 3000 Hz frequency response to suppress the static noise.

Best,

Andy N1KSN

Menasha, WI

Date: Mon, 28 Jul 2003 18:12:21 +0900

From: "JUNICHI NAKAJIMA" <jl1kra@hotmail.com>

To: qrp-1@Lehigh.EDU

Subject: [155062] Re: Norcal Cascade / 20 meter power mod

Message-ID: <BAY8-F120RGkQ6mBySs0000fb96@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Dave, Rick and all,

>Rick,
>See my article "Double Your Cascade Output on 20" in the Summer 1997
>issue of QRPp, p.52. My power went from 3W to 6W.
>72, Dave

Thank you the valuable information. I am one of who obtained the discontinue CASCADE and sole struggled the kit to work. As my experience, though the Cascade uses Plessy SL6720 mic AGC preamp, it depends kind of mic to pull out power. And it still remains 2-3W as Dave wrote. If the mod informations is already presented, I would be happy to refer it to improve my Cascade. I worked several Scandinavian contest station with my Cascade from Japan. Apparently there is another fun when the SSB tranceiver kits work.

By the way, can I obtained the back issue Summer/97 from the Norcal ? I visited the web and I could not see the QRPp back issue contents. Conglaturations to Am-QRP!

Junichi Nakajima, JL1KRA/AA3ZT
jl1kra@jarl.com_

Protect your PC - get McAfee.com VirusScan Online
<http://clinic.mcafee.com/clinic/ibuy/campaign.asp?cid=3963>

Date: Mon, 28 Jul 2003 08:34:34 -0400
From: Lee Mairs <lmairs@direcway.com>
To: jl1kra@hotmail.com,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [155063] Re: Norcal Cascade / 20 meter power mod
Message-ID: <00be01c35504\$9d5417b0\$3b6d020a@boomer>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

I'd like to get a back copy too, or a Xerox of the article. Anybody out there can help out?

73 de Lee, KM4YY/8

----- Original Message -----

From: "JUNICHI NAKAJIMA" <jl1kra@hotmail.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Monday, July 28, 2003 5:12 AM

Subject: Re: Norcal Cascade / 20 meter power mod

> Dave, Rick and all,

>

> >Rick,

> >See my article "Double Your Cascade Output on 20" in the Summer 1997

> >issue of QRPp, p.52. My power went from 3W to 6W.

> >72, Dave

>

> Thank you the valuable information. I am one of who obtained the
discontinue

> CASCADE and sole struggled the kit to work. As my experience, though

> the Cascade uses Plessy SL6720 mic AGC preamp, it depends kind of mic

> to pull out power. And it still remains 2-3W as Dave wrote.

> If the mod informations is already presented, I would be happy to refer it
> to

> improve my Cascade. I worked several Scandinavian contest station with my

> Cascade

> from Japan. Apparently there is another fun when the SSB tranceiver kits
> work.

>

> By the way, can I obtained the back issue Summer/97 from the Norcal ?

> I visited the web and I could not see the QRPp back issue contents.

> Conglaturations to Am-QRP!

>

> Junichi Nakajima, JL1KRA/AA3ZT

> jl1kra@jarl.com_____

>

> -----

> Protect your PC - get McAfee.com VirusScan Online

> <http://clinic.mcafee.com/clinic/ibuy/campaign.asp?cid=3963>

>

>

Date: Mon, 28 Jul 2003 09:14:35 -0400

From: "Sam Billingsley" <sambillingsley@earthlink.net>

To: <qrp-l@lehigh.edu>, <nogaqrp@mailman.qth.net>, <hjohnc@core.com>
Cc: <hjohnc@core.com>
Subject: [155064] Apologizes to all, especially K7UD, on misuse of ARS BB #
Message-ID: <00b101c3550a\$3154c9a0\$6401a8c0@BIGBOX>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

On arriving home last evening and checking the ARS Bumblebee Autologger section I realized that I had used the WRONG BB # for the entire BB contest. :-)

I apologize to K7UD #98

I SHOULD HAVE USED AE4GX #97. I guess my mind is really going!

Great fun event, as usual. The four NOGA members in our group really enjoyed camping out and hiking the entire weekend. First time in about two months that the entire weeked was dry.

Sam AE4GX BB#97
North Georgia QRP Club

operating at Warwoman WMA in extreme NE GA (nr Clayton,GA)

Date: Mon, 28 Jul 2003 08:20:20 -0600
From: "Ronnie Zoerb" <r.zoerb@worldnet.att.net>
To: "QRP-L Post messages" <qrp-l@lehigh.edu>
Subject: [155065] ARS 2003
Message-ID: <003601c35513\$610f7b50\$a10c560c@sony>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

CQ QRP-L,

I agree with N0SXX, this is a top notch event. In previous ARS BB events, I have been to WY and a several places in NE to operate from but this year was different. Needing to stay closer to home, I was going to visit the Rampart Range south west of Denver but even that changed so piled my gear on my 2-wheeler and went to a "open space" park near a local school about 9:45AM.

Setup was soon finished with a 20 meter double extended Zepp up about 30 feet between two trees and K2 #591 ready at a nice shady operating position. Hey, sometimes good things are right under your nose and close to home.

Pretty good conditions to start and lots of signals. Checked on the 10 and 15 meter bands several times but nothing heard there. 20 meters was the usual pile of signals from just under "059" up to "064". Some good signals but most were right at the noise level and fading up and down. Checking 40 meters on the hour and half past provided several contacts on that band but the thunderstorms were beginning their march over Pikes Peak to the west. Band conditions seemed to deteriorate after the first 2 hours and static crashes were getting worse making it difficult to copy even good signals. I could hear stations calling that I just could not copy.

Took a long break when the xyl and grand daughter came to visit. Had to try out the swing and slide at the school, hi hi. I believe for only 10 months old, Emerlie shows a lot of natural CW talent! Looking forward to future BB events when we can do a multi-op effort.

Almost escaped the down pour of wind driven rain and hail which hit at 21:18 UTC and I was still 30 seconds from the garage. Glad I had a tarp along to cover up the important gear. In any case, the rain was welcome and the hail wasn't too big.

Thanks ARS for another fun one!

Looks like 56 Qs on 20, 7 on 40 meters with 32 BBs in the log. Now have to figure out what that means for a score.

72 CU AGN Ron KI0II

Date: Mon, 28 Jul 2003 10:54:37 -0400
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [155066] Re: Homemade PCB's - Long
Message-ID: <3.0.6.32.20030728105437.007c4100@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>I agree regarding photo techniques Craig. Steve must have "the touch" on
>the other technique.

There are some tricks to using PnP and other toner transfer films. Takes some practice. I never had good luck with the photo method myself. Too many steps and chemicals to deal with. The other problem with the photo method

is if you screw up, you lost a \$4.00 board. With the toner transfer, you clean it off and try again.

>I built one of his kits and it was great quality.

Boards for kits are made professionally, the boards I make are only for my own use!

>One thing that should be mentioned about Ferric Chloride is that it
>can really make a mess of aluminum
>trim around the sink plus nasty stains in formica. Luckily I was not
>married. :-)

An old friend of mine tried to use an aluminum pan to etch a board in.
Needless to say, he soon had one heck of a mess to try and clean up!

72,

Steve, KD1JV

"Melt Solder"

White Mountains of New Hampshire

<http://www.qsl.net/kd1jv/>

Date: Mon, 28 Jul 2003 09:02:28 -0600 (CST)

From: Bruce Rattray <rattray@gpfn.sk.ca>

To: Low Power Group <qrp-l@LeHigh.EDU>

Subject: [155067] Bumble "Buzz"

Message-ID: <Pine.LNX.4.33.0307280857410.26295-100000@neale.gpfn.sk.ca>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

I was unable to head to Wascana Lake in the middle of Regina so I hopped into the contest from home...BUT Mother Propagation was the deciding factor for a poor performance this time around...my total was 5 contacts all on 20 mtrs...10,15 & 40 mtrs were zip with no signals in this neck of the RF woods...the QSB was bad with "now you hear me and now you don't" which prevented me from making more contacts...still it was fun!...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Mon, 28 Jul 2003 16:16:36 +0100
From: M Taylor <mctylr@privacy.nb.ca>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [155068] Thanks for practical CW tips
Message-ID: <20030728161636.B10348@pull.privacy.nb.ca>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

I just want to thank those who took time out of the code/no code "debate" to give some realistic and practical advice for learning Morse Code. I was thinking that it would be a waste to put up an HF antenna before I get my 5wpm endorsement, but now I might at least put up a random wire or another simple wire antenna.

Thank you,
-ve1mct

Date: Mon, 28 Jul 2003 15:30:28 +0000
From: Arthur Moe <kb7ww@easystreet.com>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [155069] Re: Homemade PCB's Thanks
Message-ID: <3F254194.D2AED6DE@easystreet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks to all who responded to my question about making boards. As usual this group has come through with some very good information.

Art
KB7WW

Date: Mon, 28 Jul 2003 12:22:58 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <kd1jv@moose.ncia.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [155070] Re: Homemade PCB's - Long
Message-ID: <003401c35524\$930d1e80\$0200a8c0@charter.net>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I used to use glass cake pans or casserole dishes.

A friend of mine rigged up a thing with a 'bar' that went under one end of the dish. It was 'offset' on axis, and he had a small motor on it. When it ran, it gently 'rocked' the pan back and forth, at about 15 second cycles. Made much cleaner etches that way.

Then he got a 'spray etcher'. It was just a trash can with a 'vertical' slot to hold your PCB in. Then there was a small pump rigged up to pump the stuff to 'squirt' the etchant at the board. Now THAT made quick and clean boards! It even had an aquarium heater in it to keep the etchant warm.

Mike

Date: Mon, 28 Jul 2003 17:55:07 +0100
From: M Taylor <mctylr@privacy.nb.ca>
To: "Julian \((G4ILO\)" <g4ilo@qsl.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [155071] Re: MFJ Cub 20m drift problem
Message-ID: <20030728175507.A11416@pull.privacy.nb.ca>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

On Sun, Jul 27, 2003 at 11:13:55AM -0100, Julian (G4ILO) wrote:
> I don't think changing capacitors is a good idea until I know where the
> drift is coming from. If it is temperature, please explain why does it
> drift the opposite way when I warm it up to what it does after a period of
> transmission? You don't appear to realise that the Cub's VFO is varicap

In a previous message, Lew mentioned <<http://www.qrparci.org/east/east.htm>>, read the page titled "QRP Cub - Mod. 3 - Reduced Warm Up Drift", <<http://www.qrparci.org/CUB3.html>> it gives some suggestions and explains why the drift is in the opposite direction for the 80 and 40m Cubs, down conversion, I don't know if that applies to the 20m as well.

The schematic included in the manual, <<http://www.mfjenterprises.com/man/pdf/MFJ-9320K.pdf>>, page 42 I think, and MFJ contact details <<http://www.mfjenterprises.com/contact.php>> including phone and email.

Date: Mon, 28 Jul 2003 10:28:43 -0700 (PDT)
From: Jeff <fantbb@yahoo.com>
To: qrp qrp <qrp-1@lehigh.edu>
Subject: [155072] LDG AT-11 Autotuner for sale
Message-ID: <20030728172843.74697.qmail@web20421.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I have a LDG AT-11 autotuner for sale for \$100. Not needed right now so I'd thought I'd let some one else make use of it. I bought it used and sent it to LDG where they upgraded the firmware and did some other tweaks on it. Works pretty good.

73!

Jeff

=====
AB6MB
NorCal QRP Club #65, QRP-L #1780, ARCI 10071
Radical FIST Member 6798, Fanatic A's fan #1

Date: Mon, 28 Jul 2003 13:34:07 -0400
From: "Dean-NR2V/4" <nr2v@northnet.org>
To: <qrp-1@lehigh.edu>
Subject: [155073] RE: Glue and toroids
Message-ID: <004601c3552e\$72896790\$03fea8c0@deanlaptop>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

Isn't the "window and door" version of silicone II acid free?
72/73
Dean

<snip>
There are different versions of RTV. The stuff that smells like vinegar contains acetic acid and will cause corrosion.
I'd go with the hot glue or hunt down the electronic version of silicone

rubber. An earlier post mentioned gasket material so Permatex might be a source, if not maybe GE or Dow Corning.
73 Pete NV4V

Date: Mon, 28 Jul 2003 10:39:44 -0700
From: Marv Fagenson <k6hcj@juno.com>
To: qrp-1@Lehigh.edu
Subject: [155074] Simpson 260 VOM repair
Message-ID: <20030728.103946.-1668781.0.k6hcj@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

I have a vintage Simpson 260 in need of calibration and repair. One resistance range is out. Anyone on the list in the business of equipment repair and maintenance?

Marv Fagenson
k6hcj@Juno.com

The best thing to hit the internet in years - Juno SpeedBand!
Surf the web up to FIVE TIMES FASTER!
Only \$14.95/ month - visit www.juno.com to sign up today!

Date: Mon, 28 Jul 2003 13:38:50 -0400
From: wkhibbert@juno.com
To: qrp-1@lehigh.edu
Subject: [155075] WTB: External Floppy for Zeos Contenda
Message-ID: <20030728.133851.-208675.0.wkhibbert@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I was given a Zeos Contenda, a 486/25 notebook, nice and small with a sharp monochrome display, but the floppy has not been found. The prior owner has moved a couple of times and has no clue as to where the drive went.

I have Googled via a number of search entries, and fine nothing but the

drivers for said drive and equivalent drives.

Does anyone know of a surplus source for the drive? It connects to a low-profile 20 or 22 pin connector similar to the Toshiba Satellite PC's, but not the same connector...

73, Wm. Keith Hibbert, WB2VU0, TC/WNY ARRL Section

"My night light runs more power than my Rig!!!"

The best thing to hit the internet in years - Juno SpeedBand!
Surf the web up to FIVE TIMES FASTER!
Only \$14.95/ month - visit www.juno.com to sign up today!

Date: Mon, 28 Jul 2003 13:40:02 -0500
From: "James P. Osburn, P.E." <j.p.osburn@ieee.org>
To: "List; QRP, QRP Mailing List" <qrp-l@lehigh.edu>
Subject: [155076] Call me Ishmael
Message-ID: <000d01c35538\$2944a540\$9b89cccf@bbbcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Here's an idea for generating code practice.
Go to Project Gutenberg at <http://www.promo.net/pg/>
and download something good like Moby Dick.
Use a text editor to select out the part you want.
Load it into Morse Academy and let 'er rip.
You'll have hours of good practice and you'll get to
enjoy a good book at the same time. It's better than
books on tape.

WD9EYB

Date: Mon, 28 Jul 2003 19:13:49 -0000
From: "Dale Botkin" <dale@botkin.org>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [155077] Re: Call me Ishmael
Message-ID: <200307281913.h6SJDnod016941@madmax.botkin.org>

"James P. Osburn, P.E." <j.p.osburn@ieee.org> said:

> Here's an idea for generating code practice.
> Go to Project Gutenberg at <http://www.promo.net/pg/>

Agreed - I used chunks of Lincoln's inaugural address. Great for making code practice CDs for trips to work and back.

Weirdest thing happened last night. I got on the air for the first time in over a month, expecting my copy speed to be way down from the 12-13 WPM or so I usually run (yeah, I'm slow...). I was actually faster than before. Only explanation I have is that the reason I've been off a month is I've been working on new program code for my keyer, which involves LOTS of testing. It gets really time consuming, so I set the keyer up for 20+WPM to save time. Guess I got used to hearing it that way. I think I'll call it "involuntary code practice"! 8-)

72,
Dale - NOXAS

Date: Mon, 28 Jul 2003 12:19:49 -0700 (PDT)
From: Lloyd Lachow <llachow@yahoo.com>
To: j.p.osburn@ieee.org,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [155078] Re: Call me Ishmael
Message-ID: <20030728191949.20076.qmail@web41015.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- "James P. Osburn, P.E." <j.p.osburn@ieee.org>
wrote:

> Here's an idea for generating code practice.
> Go to Project Gutenberg at <http://www.promo.net/pg/>
> and download something good like Moby Dick.
> Use a text editor to select out the part you want.
> Load it into Morse Academy and let 'er rip.
> You'll have hours of good practice and you'll get to
> enjoy a good book at the same time. It's better
> than
> books on tape.
>
> WD9EYB

>
>

This is a great, great idea!!! I quickly copied some Jack London, saved it as a .txt file, and loaded into my Koch Trainer, from G4FON's site. SWEEEEEEET!!!!

=====

73, 72 es oo, Lloyd, K3ESE - Reisterstown, Maryland
multiPIG+ #14 - K1 # 00379 - 20/40M Rock-Mites
Hunk o' Wahr - Begali Magnetic Classic Paddles
ARRL - ARS #1301 - QRParci #11147 - FISTS #8774
FPQRP #476 - QRP-L #2415 - BORG #2
Fun = Skill / Power !

Do you Yahoo!?

Yahoo! SiteBuilder - Free, easy-to-use web site design software
<http://sitebuilder.yahoo.com>

Date: Mon, 28 Jul 2003 12:28:22 -0700
From: "David D. Meacham" <W6EMD@prodigy.net>
To: qrp-l@Lehigh.EDU
Subject: [155079] Re: Norcal Cascade / 20 meter power mod ?
Message-ID: <3F257956.AD326880@prodigy.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Cascade owners,

There were several mod articles in March, September, and December 1996 issues of NorCal QRPP, and in the "summer" 1997 issue. I believe that Doug Hendricks still offers annual reprint volumes at a reasonable price. He can be reached at: ki6ds@dph.dpol.net or ki6ds@dospalos.org.
72, Dave, W6EMD

Date: Mon, 28 Jul 2003 20:10:08 GMT
From: hamjoel@juno.com
To: qrp-l@Lehigh.EDU, fpqrp-l@mpna.com
Subject: [155080] s0, THE CW IS A SNAP HUH?

Message-ID: <20030728.131046.487.194403@webmail14.lax.unttd.com>
Mime-Version: 1.0
Content-Type: text/plain

I was just wadeing through some email when I noticed how many posts were being made on practicing cw... makeing tapes etc.... neat ideas...

now try and be objective, how much time do u spend "praticing" after learning the code to keep the speed up to wharefer it is... it don't sound "like a snap" to me... sounds like a continueing maintaince program... and lots of time.... which when its something u like and make time for, The effort it requires tends to fade...

it takes a lot of "time" for cw... which like dating can be fun...

KE1LA JOEL
IN MAINE
FREEZIN

The best thing to hit the internet in years - Juno SpeedBand!
Surf the web up to FIVE TIMES FASTER!
Only \$14.95/ month - visit www.juno.com to sign up today!

Date: Mon, 28 Jul 2003 13:44:37 -0700 (PDT)
From: Steve Holloway <wsholloway1@yahoo.com>
To: qrp-1@Lehigh.EDU
Subject: [155081] SST-30 doc found
Message-ID: <20030728204437.26585.qmail@web12809.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Will the person who bought my SST-30 last spring please send me your address.(I lost the mailing label) and I will forward to you the assembly and operating manual that I found this weekend.

72,
Steve KE4JZG

Do you Yahoo!?
The New Yahoo! Search - Faster. Easier. Bingo.
<http://search.yahoo.com>

Date: Mon, 28 Jul 2003 16:01:50 -0500
From: pdbuck@earthlink.net
To: qrp-1@lehigh.edu
Subject: [155082] Elmer 160: PIC parts
Message-ID: <JFYVIHVSX0IGEL531Z1UMK323YI.3f258f3e@k9>
MIME-Version: 1.0
Content-Type: text/plain; charset="windows-1252"

Howdy,

<http://www.glitchbuster.com/>

has the PIC 16F628 for \$2.38 each. And the crystal with caps for \$0.68. He's got other goodies as well.

Shipping is only \$1.85 for the order.

73,
Preston, n0g1m

Date: Mon, 28 Jul 2003 16:10:56 -0500
From: Monty N5ESE <n5ese@io.com>
To: qrp-1@Lehigh.EDU
Subject: [155083] BB Fun on Lake Georgetown
Message-ID: <5.1.0.14.0.20030728160556.00a9e6e0@mail.io.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Got some pix and narrative on my trip to Lake Georgetown yesterday to assume the duties of BB # 103:

http://dit-dididit-dit.com/port_ops.htm

Thanks to all who provided Q's!

72,
monty N5ESE

Once ya gots it, ya gots it, much like ridin' a bi-cycle.

Ya can't ride cross-country if ya haven't been in the saddle for a while,
but you can probably ride cross town.

On Mon, 28 Jul 2003 hamjoel@juno.com wrote:

>
> I was just wadeing through some email when I noticed how many posts were being
made on practicing cw... makeing tapes etc.... neat ideas...
> now try and be objective, how much time do u spend "praticing" after
learning the code to keep the speed up to wharefer it is... it
> don't sound "like a snap" to me... sounds like a continueing maintaince
program... and lots of time.... which when its something u like and make time for,
The effort it requires tends to fade...
> it takes a lot of "time" for cw... which like dating can be fun...
>
>
> KE1LA JOEL
> IN MAINE
> FREEZIN
>
> -----
> The best thing to hit the internet in years - Juno SpeedBand!
> Surf the web up to FIVE TIMES FASTER!
> Only \$14.95/ month - visit www.juno.com to sign up today!
>

--
Scott Rosenfeld ARS N7JI
541-684-9970 Eugene, OR Land o' much rain
If you find me on the air, I'm probably in my car
ham@w3eax.umd.edu <http://w3eax.umd.edu/~ham>

Date: Mon, 28 Jul 2003 22:33:27 +0000
From: "John Kirk" <vk4tj@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [155086] Adapting the "Ham From Idaho" SSB Rig For 60 mtrs
Message-ID: <Law9-F1135ER8Q9eqwZ00012d6a@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

I'm not sure this is such a good idea, boys and girls....

1) As I understand it, your new band has rather stringent bandwidth

limitations. A simple 4-banger crystal ladder network filter WIL NOT meet this spec.

2) The simpler crystal ladder network filters really want to be lower sideband filters. The slope on the low side is very sloppy. Attempts to use it for USB are going to result in a lot of lower sideband energy being present.

3) I built this filter, and have serious reservations about it even being good enough for 75 mtr LSB - it had a dreadful 3 hump response spanning 10 kHz, with passband ripple greater than 4 dB. I was using "microprocessor grade" junkbox crystals, and was a ways off the design frequency of 9.6 MHz, so perhaps someone with a better-endowed junk box full of crystals could verify my results.

Usual caveats apply - my test setup is unspeakably primitive, your mileage may vary etc., etc.,

Anybody recognize the "LADDER4" program(?) the "ham from Idaho" cites as the source of the filter design?

72
John

Add photos to your messages with MSN 8. Get 2 months FREE*.
<http://join.msn.com/?page=features/featuredemail>

End of QRP-L Digest 2995
